

45. (twice amended) An adherent patch that, when held in a human mouth, remains in the mouth as a single item that will not spread to be in a plurality of locations in the mouth at one time and slowly erodes, thereby releasing over time extract of licorice root plus collagen, consisting essentially of, by dry weight:

- (a) between 13% and 37% extract of licorice root, wherein said extract of licorice root is extracted from licorice root using a solvent comprised of water including diverse molecules with no predominant molecule;
- (b) between 33% and 55% collagen; and
- (c) between 22% and 54% binder ingredients.

46. (original) The patch of claim 45 wherein the extract of licorice root is an extract of licorice root with reduced glycyrrhizin.

47. (original) The patch of claim 45 wherein the collagen is food grade gelatin.

48. (original) The patch of claim 45 where the binder ingredients comprise at least one of: gum arabic, carrageenan, xanthan gum, konjac gum, agar, locust bean gum, and insoluble food fiber.

49. (original) The patch of claim 48 where the binder ingredients include an insoluble food fiber in the form of cellulose fibers.

50. (twice amended) A manufactured object adapted for treatment of mouth ulcers which, when exposed to saliva in a human mouth, releases diverse molecules of extract of licorice root with no predominant molecule over more than 30 minutes, wherein said extract of licorice is extracted from licorice root using a solvent comprised of water.

51. (previously presented) The object of claim 50 further comprising an adhesive ingredient that adheres to wet surfaces in a human mouth.

52. (previously presented) The object of claim 51 wherein the adhesive ingredient is collagen.

53. (previously presented) The object of claim 52 wherein the collagen is food grade gelatin.

54. (previously presented) The object of claim 50 wherein the extract of licorice root has reduced glycyrrhizin.

55. (previously presented) The object of claim 50 wherein the extract of licorice root comprises glycyrrhizin.

56. (previously presented) The object of claim 50 wherein the extract of licorice root comprises glycyrrhetic acid.

57. (previously presented) The object of claim 50 further comprising a binder ingredient that dissolves or erodes in saliva such as xanthan gum, konjac gum, gelatin, locust bean gum, gum arabic, or carrageenan.

58. (previously presented) The object of claim 50 further comprising insoluble food fiber.

59. (new) An adherent patch that, when held in a human mouth, remains in the mouth as a single item that will not spread to be in a plurality of locations in the mouth at one time and slowly erodes, thereby releasing over time extract of licorice root plus collagen, consisting essentially of, by dry weight:

(a) between 13% and 37% extract of licorice root, wherein said extract of licorice root is a water extract;

(b) between 33% and 55% collagen; and

(c) between 22% and 54% binder ingredients.

60. (new) The patch of claim 59 wherein the extract of licorice root is an extract of licorice root with reduced glycyrrhizin.

61. (new) The patch of claim 59 wherein the collagen is food grade gelatin.
62. (new) The patch of claim 59 where the binder ingredients comprise at least one of: gum arabic, carrageenan, xanthan gum, konjac gum, agar, locust bean gum, and insoluble food fiber.
63. (new) The patch of claim 62 where the binder ingredients include an insoluble food fiber in the form of cellulose fibers.
64. (new) A manufactured object adapted for treatment of mouth ulcers which, when exposed to saliva in a human mouth, releases extract of licorice root over more than 30 minutes, wherein said extract of licorice is a water extract.
65. (new) The object of claim 64 further comprising an adhesive ingredient that adheres to wet surfaces in a human mouth.
66. (new) The object of claim 65 wherein the adhesive ingredient is collagen.
67. (new) The object of claim 64 wherein the collagen is food grade gelatin.
68. (new) The object of claim 64 wherein the extract of licorice root has reduced glycyrrhizin.
69. (new) The object of claim 64 wherein the extract of licorice root comprises glycyrrhizin.
70. (new) The object of claim 64 wherein the extract of licorice root comprises glycyrrhetic acid.
71. (new) The object of claim 64 further comprising a binder ingredient that dissolves or erodes in saliva such as xanthan gum, konjac gum, gelatin, locust bean gum, gum arabic, or carrageenan.
72. (new) The object of claim 64 further comprising insoluble food fiber.